

542,955

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau(43) International Publication Date  
31 July 2003 (31.07.2003)

PCT

(10) International Publication Number  
**WO 03/061371 A1**(51) International Patent Classification: **A01G 23/00**,  
A01H 1/02, 5/00

[AU/AU]; 33 Cargill Street, Victoria Park, Western Australia 6100 (AU).

(21) International Application Number: PCT/AU03/00065

(74) Agent: **WRAY & ASSOCIATES**; Level 4 The Quadrant,  
1 William Street, Perth, Western Australia 6000 (AU).

(22) International Filing Date: 22 January 2003 (22.01.2003)

(25) Filing Language: English

(26) Publication Language: English

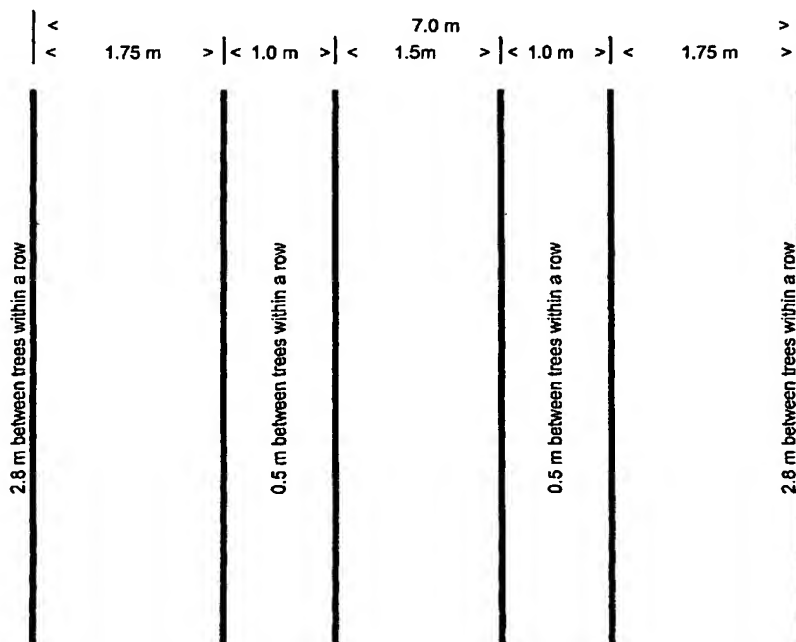
(30) Priority Data:  
PS 0145 25 January 2002 (25.01.2002) AU  
PS 2617 28 May 2002 (28.05.2002) AU(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.(71) Applicant (*for all designated States except US*): **BIOENERGY** [AU/AU]; Level 32 Exchange Plaza, 2 The Esplanade, Perth, Western Australia 6000 (AU).(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI,

(72) Inventor; and

(75) Inventor/Applicant (*for US only*): **PEIFFER, Cliff**

[Continued on next page]

(54) Title: A METHOD OF CULTIVATING A BIOMASS USING THE PLANT GENUS CASUARINA



(57) Abstract: The invention provides a method for of cultivating biomass, comprising the steps of: (a) Selecting at least a plant variety from the plant genus *Casuarina* capable of growing at a density equivalent to at least 5,000 stems per hectare for a period of 2 to 5 years; (b) Cultivating the plant variety for two to five years under suitable conditions to maintain the plantings at a density equivalent to at least 5,000 stems per hectare; and (c) Harvesting the resultant biomass between 2 and 5 years from the date of initial plantings.

■ *Grevillea robusta* 510 spha  
 ■ *Casuarina* hybrid 11,429 spha

WO 03/061371 A1



SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**Published:**

— *with international search report*